

WHAT IS CLAIMED IS:

1. An end effector assembly for obtaining multiple tissue samples comprising:
 - a first jaw; and
 - a jaw assembly pivotally connected to the first jaw and having:
 - a cutting portion for mating with the first jaw to cut a tissue sample;
 - a holder; and
 - a storage portion configured to store tissue samples,wherein the holder is configured to receive the cutting portion and the storage portion.
2. The device of claim 1, wherein the holder has a top configured to receive the cutting portion and a bottom configured to receive the storage portion.
3. The device of claim 1, wherein the holder has a groove for receiving a protrusion on the cutting portion.
4. The device of claim 1, wherein the holder has a groove for receiving a protrusion on the storage portion.
5. The device of claim 1, wherein the holder has a groove for receiving both a protrusion on the cutting portion and a protrusion on the storage portion.

6. The device of claim 1, wherein at least a portion of the storage portion and a portion of the cutting portion are press-fit into the holder.

7. The device of claim 1, wherein the cutting portion and the holder are comprised of different materials.

8. The device of claim 1, wherein the cutting portion is comprised of metal and the holder is comprised of a non-metal material.

9. The device of claim 8, wherein the non-metal material is at least one of plastic, rubber, polycarbonate, PEEK, and Nylon.

10. The device of claim 1, wherein the cutting portion and the holder are comprised of the same material.

11. The device of claim 1, wherein both the cutting portion and the holder are comprised of metal.

12. The device of claim 1, wherein the first jaw includes a holder and a cutting portion.

13. The device of claim 1, wherein the holder and the cutting portion are formed separately.

14. The device of claim 1, wherein the holder is formed around the cutting portion.
15. The device of claim 1, wherein the storage portion is a pouch.
16. The device of claim 1, wherein the cutting portion has a non-straight portion connecting a tang to a cutting edge and configured to be received in a correspondingly-shaped gap in the holder.
17. The device of claim 1, wherein the cutting portion includes a cutting edge opposing a cutting surface of the first jaw.
18. The device of claim 1, wherein the cutting portion is stamped.
19. The device of claim 1, wherein the holder is injection molded.
20. The device of claim 1, wherein the cutting portion inserts into the holder.
21. The device of claim 1, wherein at least a portion of the cutting portion extends from the holder.

22. The device of claim 1, wherein the cutting portion is configured to provide structural support to the holder.

23. The device of claim 1, wherein a sharp portion of the first jaw mates with the cutting portion to cut the tissue sample.

24. The device of claim 1, wherein a sharp portion of the cutting portion mates with the first jaw to cut the tissue sample.

25. The device of claim 1, wherein a sharp portion of the first jaw mates with a sharp portion of the cutting portion to cut the tissue sample.

26. An endoscopic instrument comprising:
a proximal handle coupled to a distal end effector assembly via an elongate member, the proximal handle for actuating the distal end effector assembly;
wherein the distal end effector assembly includes:

a first jaw; and

a jaw assembly pivotally connected to the first jaw and having:

a cutting portion for mating with the first jaw to cut a tissue sample;

a holder; and

a storage portion configured to store tissue samples,

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wherein the holder is configured to receive the cutting portion and the storage portion.

27. The device of claim 26, wherein the holder has a top configured to receive the cutting portion and a bottom configured to receive the storage portion.

28. The device of claim 26, wherein the holder has a groove for receiving a protrusion on the cutting portion.

29. The device of claim 26, wherein the holder has a groove for receiving a protrusion on the storage portion.

30. The device of claim 26, wherein the holder has a groove for receiving both a protrusion on the cutting portion and a protrusion on the storage portion.

31. The device of claim 26, wherein the cutting portion and the holder are composed of different materials.

32. The device of claim 26, wherein the cutting portion is comprised of metal and the holder is comprised of a non-metal material.

33. The device of claim 32, wherein the non-metal material is at least one of plastic, rubber, polycarbonate, PEEK, and Nylon.

34. The device of claim 26, wherein the cutting portion and the holder are comprised of the same material.

35. The device of claim 26, wherein both the cutting portion and the holder are comprised of metal.

36. The device of claim 26, wherein the first jaw includes a holder and a cutting portion.

37. The device of claim 26, wherein the holder and the cutting portion are formed separately.

38. The device of claim 26, wherein the holder is formed around the cutting portion.

39. The device of claim 26, wherein the storage portion is a pouch.

40. The device of claim 26, wherein the cutting portion has a non-straight portion connecting a tang to a cutting edge and configured to be received in a correspondingly-shaped gap in the holder.

41. The device of claim 26, wherein the cutting portion includes a cutting edge opposing a cutting surface of the first jaw.

42. The device of claim 26, wherein the cutting portion is stamped.

43. The device of claim 26, wherein the holder is injection molded.

44. The device of claim 26, wherein the cutting portion inserts into the holder.

45. The device of claim 26, wherein at least a portion of the cutting portion extends from the holder.

46. The device of claim 26, wherein the cutting portion is configured to provide structural support to the holder.

47. The device of claim 26, wherein a sharp portion of the first jaw mates with the cutting portion to cut the tissue sample.

48. The device of claim 26, wherein a sharp portion of the cutting portion mates with the first jaw to cut the tissue sample.

49. The device of claim 26, wherein a sharp portion of the first jaw mates with a sharp portion of the cutting portion to cut the tissue sample.

50. An endoscopic instrument comprising:
a proximal handle coupled to a distal end effector assembly via an elongate member, the proximal handle for actuating the distal end effector assembly;
wherein the distal end effector assembly includes:
a first end effector; and
a second end effector assembly pivotally connected to the first end effector and having:
a second end effector for mating with the first end effector to perform an operation; and
a holder configured to receive the second end effector.

51. The device of claim 50, wherein the holder has a groove for receiving a protrusion on the second end effector.

52. The device of claim 50, wherein at least a portion of the second end effector is press-fit into the holder.

53. The device of claim 50, wherein the second end effector and the holder are comprised of different materials.

54. The device of claim 50, wherein the second end effector is comprised of metal and the holder is comprised of a non-metal material.

55. The device of claim 54, wherein the non-metal material is at least one of plastic, rubber, polycarbonate, PEEK, and Nylon.

56. The device of claim 50, wherein the first end effector includes a holder and an end effector portion.

57. The device of claim 50, wherein the holder and the end effector portion are formed separately.

58. The device of claim 50, wherein the holder is formed around the end effector portion.

59. The device of claim 50, wherein the second end effector is stamped.

60. The device of claim 50, wherein the holder is injection molded.

61. The device of claim 50, wherein the second end effector inserts into the holder.

62. The device of claim 50, wherein the second end effector is configured to provide structural support to the holder.

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63. The device of claim 50, wherein a sharp portion of the first end effectors mates with the second end effector to perform the operation.

64. The device of claim 50, wherein a sharp portion of the second end effector mates with the first end effector to perform the operation.

65. The device of claim 50, wherein a sharp portion of the first end effector mates with a sharp portion of the second end effector to perform the operation.

66. A method of manufacturing a cutting device, the method comprising the steps of:

stamping a first cutting portion;

injection molding a holder that receives the first cutting portion;

connecting a storage portion to the holder; and

pivotaly attaching a second cutting portion to the holder, the second cutting portion configured to mate with the first cutting portion to perform cutting.

67. The method of claim 66, wherein the cutting device is a biopsy forceps device for obtaining tissue.

68. The method of claim 66, wherein the first cutting portion and the holder are comprised of different materials.

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69. The method of claim 66, wherein the first cutting portion is comprised of metal and the holder is comprised of a non-metal material.

70. The method of claim 66, wherein the non-metal material is at least one of plastic, rubber, polycarbonate, PEEK, and Nylon.

71. The method of claim 66, wherein the first cutting portion and the holder are comprised of the same material.

72. The method of claim 66, wherein both the first cutting portion and the holder are comprised of metal.

73. The method of claim 66, further comprising stamping the second cutting portion.

74. The method of claim 66, further comprising injection molding a second holder configured to receive the second cutting portion;

inserting the second cutting portion into the second holder; and
pivotally attaching the second holder to the holder.

75. The method of claim 74, further comprising injection molding the storage portion.

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76. The method of claim 66, further comprising inserting the first cutting portion into the holder after the injection molding the holder.

77. The method of claim 76, wherein inserting the first cutting portion into the holder comprises inserting a portion of the first cutting portion into a slit on the holder.

78. The method of claim 66, wherein the holder is injection molded around the first cutting portion.

79. The method of claim 66, wherein the holder has a top configured to receive the first cutting portion and a bottom configured to receive the storage portion.

80. The method of claim 66, further comprising connecting the first cutting portion to the holder by placing a protrusion on the first cutting portion into a groove on the holder.

81. The method of claim 66, wherein connecting the storage portion to the holder includes placing a protrusion on the storage portion into a groove on the holder.

82. The method of claim 66, wherein the holder has a groove for receiving both a protrusion on the first cutting portion and a protrusion on the storage portion.

83. The method of claim 66, further comprising press fitting at least a portion of the storage portion and a portion of the first cutting portion into the holder.

84. The method of claim 66, wherein a sharp portion of the first cutting portion mates with the second cutting portion to perform cutting.

85. The method of claim 66, wherein a sharp portion of the second cutting portion mates with the first cutting portion to perform cutting.

86. The method of claim 66, wherein a sharp portion of the first cutting portion mates with a sharp portion of the second cutting portion to perform cutting.